

| | | | | | | | |
|----|---|-----|-----|-----|-----|-----|-----|
| 5' | | 9 | 18 | 27 | 36 | 45 | 54 |
| | CCG TCG CGC ATG CGC AAA CAC AGC TGT CGG AAG GTG GCG AGC CTG AGG CGA ACA | | | | | | |
| | M R K H S C R K V A S L R R T | | | | | | |
| | | 63 | 72 | 81 | 90 | 99 | 108 |
| | ATG GCG GAG CTG GGC GAA GCC GAT GAA GCG GAG TTG CAG CGC CTG GTG GCC GCC | | | | | | |
| | M A E L G E A D E A E L Q R L V A A | | | | | | |
| | | 117 | 126 | 135 | 144 | 153 | 162 |
| | GAG CAG CAG AAG GCG CAG TTT ACT GCA CAG GTG CAT CAC TTC ATG GAG TTA TGT | | | | | | |
| | E Q Q K A Q F T A Q V H H F M E L C | | | | | | |
| | | 171 | 180 | 189 | 198 | 207 | 216 |
| | TGG GAT AAA TGT GTG GAG AAG CCA GCG AAT CGC CTA GAC TCT CGC ACT GAA AAT | | | | | | |
| | W D K C V E K P G N R L D S R T E N | | | | | | |
| | | 225 | 234 | 243 | 252 | 261 | 270 |
| | TGT CTC TCC AGC TGT GTA GAC CGC TTC ATT GAC ACC ACT CTT GCC ATC ACC AGT | | | | | | |
| | C L S S C V D R F I D T T L A I T S | | | | | | |

100

| | | | | | | |
|---|-----|-----|-----|-----|-----|-----|
| | 279 | 288 | 297 | 306 | 315 | 324 |
| CGG TTT GCC CAG ATT GTA CAG AAA GGA GGG CAG TAG GCC ATC CCC CAG GAG AAT | | | | | | |
| R F A Q I V Q K G Q | | | | | | |
| GAC AGA AGC AAA GGA GTT GTT ACT AAG CAG ATT TAA GGG TCA GTG GGG GAA GGC | 333 | 342 | 351 | 360 | 369 | 378 |
| TAT CAA CCC ATT GTC AGA TCA GCA TCA GGC TGT TAT CAA GTC TGT TGG TGC TAA | 387 | 396 | 405 | 414 | 423 | 432 |
| AAA GTA AAA GAT GAA ATG TTC AA 3' | 441 | 450 | | | | |

by

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|----------|
| 1 | M | R | K | H | S | C | R | K | V | A | S | L | R | R | T | M | A | E | L | G | E | A | D | E | A | E | L | Q | R | L | 1613785 |
| 1 | M | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | E | L | G | E | A | D | E | A | E | L | Q | R | L | g6524627 |
| 31 | V | A | A | E | Q | Q | K | A | Q | F | T | A | Q | V | H | H | F | M | E | L | C | W | D | K | C | V | E | K | P | G | 1613785 |
| 16 | V | A | A | E | Q | Q | K | A | Q | F | T | A | Q | V | H | H | F | M | E | L | C | W | D | K | C | V | E | K | P | G | g6524627 |
| 61 | N | R | L | D | S | R | T | E | N | C | L | S | S | C | V | D | R | F | I | D | T | T | L | A | I | T | S | R | F | A | 1613785 |
| 46 | N | R | L | D | S | R | T | E | N | C | L | S | S | C | V | D | R | F | I | D | T | T | L | A | I | T | S | R | F | A | g6524627 |
| 91 | Q | I | V | Q | K | G | G | Q | | | | | | | | | | | | | | | | | | | | | | 1613785 | |
| 76 | Q | I | V | Q | K | G | G | Q | | | | | | | | | | | | | | | | | | | | | | g6524627 | |

FIGURE 2